

Abstract

A fibre-reinforced plastic structure with a hollow section which is characterized in that

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(A) it is a fibre-reinforced plastic structure with a hollow section which is provided with at least one opening and with a main body portion having in the interior a cavity of maximum width greater than the maximum width of the aforesaid opening(s),

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(B) the aforesaid main body portion is composed of a fibre-reinforced plastic where the reinforcing fibre has been impregnated with synthetic resin and, furthermore,

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(C) the aforesaid main body portion has a solid of non-revolution shape where the interior maximum width (F) of the cavity is at least 0.5 m and the ratio (F/f) of the internal maximum width (F) of the cavity to the maximum width (f) of the aforesaid opening(s) lies in the range 1.1 to 500, and

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(D) furthermore, the aforesaid main body portion is formed as an integral construction in which its totality substantially has no regions which are joined. This structure can be used for aircraft, automobiles and other such modes of transport, and for containers and the like.

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